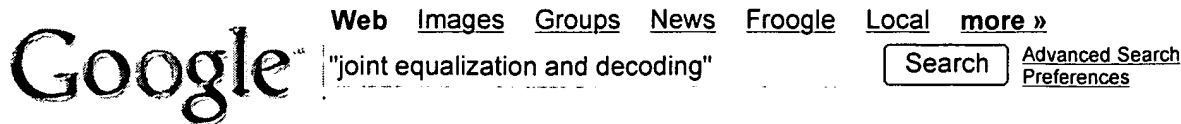| Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L4	5	trellis same (MLT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 12:08
L6	54	joint with equalization with decoding	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 06:58
L7	13	joint with equalization with decoding with trellis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 08:05
L8	0	joint adj equalization adj "and" adj decoding	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 08:05
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L10	2	((joint adj equalization) near decoding) with multilevel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 08:19

L11	2	((joint adj equalization) near decoding) same multilevel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 08:19
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L13	0	((joint adj equalization) near decoding) and mlt3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 08:19
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L24	31	20 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 12:07
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L27	21	trellis and (MLT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 12:08
L28	1	27 and 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 12:08

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L32	1	"7000175".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/03 12:15
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S2	6	("6038269"|"6115418"|"6178198"). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 14:49
S3	18	("20020150180"|"20030053535"|"2 0030115061"|"5031195"|"5214672" |"5546430"|"6081562"|"6744831"|" 6798828").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 14:49
S4	2	trellis with generat$3 with MLT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 15:29

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S8	68	equaliz$5 with joint with decod$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 15:58
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S17	24	(mlt3 or "mlt-3") and trellis and equaliz$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 16:05
S18	20	(mlt3 or "mlt-3") and trellis and equaliz$5 and decod$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 16:06

S19	2	"6178198".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 16:07
S20	2	(mlt3 or "mlt-3") and trellis with super	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 16:25
S21	1	"10/022659"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 16:26
S22	3	(mlt3 or "mlt-3") with trellis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 16:30
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S24	9	super adj trellis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 16:34
S25	10	(super or (reduced with state)) adj trellis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 16:34
S26	5	(super or (reduced with state)) adj trellis and (equalization with decoding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/02 16:35

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15. **Turbo-equalization applied to trellis-coded-modulations**
Magniez, P.; Duhamel, P.; Roumy, A.; Fijalkow, I.;
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Joint equalization and decoding: why choose the iterative soluti

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Abstract

This paper deals with turbo-equalization as a joint equalization and decoding algorithm. The perforn analysis shows that there is a trigger point in this iterative process, followed by a breakdown effect. after a given point (the trigger one), the BER decreases steeply as a function of the decoding step μ compare the performance of the turbo-equalizer with that of the optimal joint receiver and show that match the bound over the optimal disjoint receiver

Index Terms
Inspec

> **Controlled Indexing**
> channel coding equalisers error statistics iterative decoding turbo codes

> **Non-controlled Indexing**
> BER breakdown effect iterative decoding joint equalization/decoding performance
> analysis trigger point turbo equalization

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